

# INTERNATIONAL SEARCH REPORT

International Application No  
I- /BE2004/000134

**A. CLASSIFICATION OF SUBJECT MATTER**  
**IPC 7 C07D213/80 C07D213/69 A61K31/4412 A61P31/18**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
**IPC 7 C07D A61K A61P**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**EPO-Internal, CHEM ABS Data, WPI Data, BEILSTEIN Data, EMBASE**

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/55676 A (AUBERTIN ANNE MARIE ; BISAGNI EMILE (FR); DOLLE VALERIE (FR); GRIERSON) 4 November 1999 (1999-11-04) cited in the application page 1, line 26 – page 3, line 21; claim 1; example 1 -----	1,8-13
A	page 1, line 26 – page 3, line 21; claim 1; example 1 -----	2-7,17
X	WO 02/24650 A (JANSSEN PHARMACEUTICA NV ; BENJAHAD ABDELLAH (FR); GUILLEMONT JEROME ) 28 March 2002 (2002-03-28) cited in the application page 2, line 4 – page 9, line 20; claim 1; example 69 -----	1,8-13
A	----- -/-	2-7,17

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

**6 July 2005**

Date of mailing of the international search report

**18.07.05**

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## INTERNATIONAL SEARCH REPORT

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/BE2004/000134

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DOLLE V ET AL: "A NEW SERIES OF PYRIDINONE DERIVATIVES AS POTENT NON-NUCLEOSIDE HUMAN IMMUNODEFICIENCY VIRUS TYPE U SPECIFIC REVERSE TRANSCRIPTASE INHIBITORS" JOURNAL OF MEDICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 38, no. 23, 15 October 1995 (1995-10-15), pages 4679-4686, XP002002675 ISSN: 0022-2623 Scheme 4 tables 1-3 -----	1-13,17
X	WO 98/37072 A (THE GOVERNMENT OF THE UNITED STATES OF AMERICA, REPRESENTED BY THE SEC) 27 August 1998 (1998-08-27) page 8, line 1 - page 8, line 9; claim 1 -----	14-16
X	DOLLE V ET AL: "Synthesis of new non-nucleoside inhibitors of HIV-1" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 6, no. 2, 23 January 1996 (1996-01-23), pages 173-178, XP004135103 ISSN: 0960-894X Scheme 2 -----	14-16

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/BE2004/000134

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13,17

Compounds of formula (I)

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2. claims: 14-16

Method for obtaining an irreversible anti-HIV compound

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

/BE2004/000134

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9955676	A 04-11-1999	AU 4137899 A		16-11-1999
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WO 9837072	A 27-08-1998	AT 238998 T		15-05-2003
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